SEQUENCE LISTING

5	(1) GENERAL INFORMATION:
	(i) APPLICANT: Capon, Daniel J.
	Gregory, Timothy J.
10	(ii) TITLE OF INVENTION: Adheson Variants
	(iii) NUMBER OF SEQUENCES: 25
	(iv) CORRESPONDENCE ADDRESS:
15	(A) ADDRESSEE: Genentech, Inc.
	(B) STREET: 1 DNA Way
	(C) CITY: South San Francisco
	(D) STATE: California
	(E) COUNTRY: USA
20	(F) ZIP: 94080
	(v) COMPUTER READABLE FORM:
	(A) MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
	(B) COMPUTER: IBM PC compatible
25	(C) OPERATING SYSTEM: PC-DOS/MS-DOS
	(D) SOFTWARE: WinPatin (Genentech)
	(vi) CURRENT APPLICATION DATA:
	(A) APPLICATION NUMBER:
30	(B) FILING DATE: 30-JAN-2004
	(C) CLASSIFICATION:
	(vii) PRIOR APPLICATION DATA:
	(A) APPLICATION NUMBER: 10/157,408
35	(B) FILING DATE: 28-MAY-2002
	(vii) PRIOR APPLICATION DATA:
	(A) APPLICATION NUMBER: 09/641554
	(B) FILING DATE: 17-AUG-2000
40	

	(vii)	PRIOR APPLICATION DATA:
		(A) APPLICATION NUMBER: 09/275310
		(B) FILING DATE: 24-MAR-1999
5	(vii)	PRIOR APPLICATION DATA:
		(A) APPLICATION NUMBER: 08/457918
		(B) FILING DATE: 01-JUN-1995
	<i>(</i>	
_	(V11)	PRIOR APPLICATION DATA:
10		(A) APPLICATION NUMBER: 08/236311
		(B) FILING DATE: 02-MAY-1994
	(vii)	PRIOR APPLICATION DATA:
	, · · – -,	(A) APPLICATION NUMBER: 07/936190
15		(B) FILING DATE: 26-AUG-1992
		(2) 1111110 21111. 20 1100 1332
	(vii)	PRIOR APPLICATION DATA:
		(A) APPLICATION NUMBER: 07/842777
		(B) FILING DATE: 18-FEB-1992
20		
	(vii)	PRIOR APPLICATION DATA:
		(A) APPLICATION NUMBER: 07/250785
		(B) FILING DATE: 28-SEP-1988
0.5	,	DDT-00 - DDT-01 - DDT-01
25	(V11)	PRIOR APPLICATION DATA:
		(A) APPLICATION NUMBER: 07/104329
		(B) FILING DATE: 02-OCT-1987
	(viii)	ATTORNEY/AGENT INFORMATION:
30		(A) NAME: Kubinec, Jeffrey S.
		(B) REGISTRATION NUMBER: 36,575
		(C) REFERENCE/DOCKET NUMBER: P0444P1C7
	(ix)	TELECOMMUNICATION INFORMATION:
35		(A) TELEPHONE: 650/225-8228
		(B) TELEFAX: 650/952-9881
	(2) TN	FORMATION FOR SEQ ID NO:1:
	(2, 114)	TOTAL TOTAL DELY 1D NO.1.

(i) SEQUENCE CHARACTERISTICS:

		(E	., 2. 3) TY	PE:	Amir	no Ac	cid	ucic	••						
		(I) TO	POLC	GY:	Line	ear								
5	(x:	i) SI	EQUE1	ICE I	ESCI	RIPTI	ON:	SEQ	ID N	NO:1:					
	Met 1	Asn	Arg	Gly	Val 5	Pro	Phe	Arg	His	Leu 10	Leu	Leu	Val	Leu	Gln 15
10	Leu	Ala	Leu	Leu	Pro 20	Ala	Ala	Thr	Gln	Gly 25	Asn	Lys	Val	Val	Leu 30
15	Gly	Lys	Lys	Gly	Asp 35	Thr	Val	Glu	Leu	Thr 40	Cys	Thr	Ala	Ser	Gln 45
	Lys	Lys	Ser	Ile	Gln 50	Phe	His	Trp	Lys	Asn 55	Ser	Asn	Gln	Ile	Lys 60
20	Ile	Leu	Gly	Asn	Gln 65	Gly	Ser	Phe	Leu	Thr 70	Lys	Gly	Pro	Ser	Lys 75
	Leu	Asn	Asp	Arg	Ala 80	Asp	Ser	Arg	Arg	Ser 85	Leu	Trp	Asp	Gln	Gly 90
25	Asn	Phe	Pro	Leu	Ile 95	Ile	Lys	Asn	Leu	Lys 100	Ile	Glu	Asp	Ser	Asp 105
30	Thr	Tyr	Ile	Cys	Glu 110	Val	Glu	Asp	Gln	Lys 115	Glu	Glu	Val	Gln	Leu 120
	Leu	Val	Phe	Gly	Leu 125	Thr	Ala	Asn	Ser	Asp 130	Thr	His	Leu	Leu	Gln 135
35		Gln			140					145					150
	Pro	Ser	Val	Gln	Cys 155	Arg	Ser	Pro	Arg	Gly 160	Lys	Asn	Ile	Gln	Gly 165

(A) LENGTH: 402 amino acids

	Gly	Lys	Thr	Leu	Ser 170	Val	Ser	Gln	Leu	Glu 175	Leu	Gln	Asp	Ser	Gly 180
5	Thr	Trp	Thr	Cys	Thr 185	Val	Leu	Gln	Asn	Gln 190	Lys	Lys	Val	Glu	Phe 195
	Lys	Ile	Asp	Ile	Val 200	Val	Leu	Ala	Phe	Gln 205	Lys	Ala	Ser	Ser	Ile 210
10	Val	Tyr	Lys	Lys	Glu 215	Gly	Glu	Gln	Val	Glu 220	Phe	Ser	Phe	Pro	Leu 225
15	Ala	Phe	Thr	Val	Glu 230	Lys	Leu	Thr	Gly	Ser 235	Gly	Glu	Leu	Trp	Trp 240
15	Gln	Ala	Glu	Arg	Ala 245	Ser	Ser	Ser	Lys	Ser 250	Trp	Ile	Thr	Phe	Asp 255
20	Leu	Lys	Asn	Lys	Glu 260	Val	Ser	Val	Lys	Arg 265	Val	Thr	Gln	Asp	Pro 270
	Lys	Leu	Gln	Met	Gly 275	Lys	Lys	Leu	Pro	Leu 280	His	Leu	Thr	Leu	Pro 285
25	Gln	Ala	Leu	Pro	Gln 290	Tyr	Ala	Gly	Ser	Gly 295	Asn	Leu	Thr	Leu	Ala 300
30	Leu	Glu	Ala	Lys	Thr 305	Gly	Lys	Leu	His	Gln 310	Glu	Val	Asn	Leu	Val 315
30	Val	Met	Arg	Ala	Thr 320		Leu	Gln	Lys	Asn 325	Leu	Thr	Cys	Glu	Val 330
35	Trp	Gly	Pro	Thr	Ser 335	Pro	Lys	Leu	Met	Leu 340	Ser	Leu	Lys	Leu	Glu 345
	Asn	Lys	Glu	Ala	Lys 350	Val	Ser	Lys	Arg	Glu 355	Lys	Ala	Val	Trp	Val 360

	Leu Asn Pro Glu Ala Gly Met Trp Gln Cys Leu Leu Ser Asp Ser 365 370 375
5	Gly Gln Val Leu Leu Glu Ser Asn Ile Lys Val Leu Pro Thr Trp 380 385 390
	Ser Thr Pro Ser Phe Asn Ala Val Val Tyr His Ser 395 400
10	(2) INFORMATION FOR SEQ ID NO:2:
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 1416 base pairs (B) TYPE: Nucleic Acid
15	(C) STRANDEDNESS: Single (D) TOPOLOGY: Linear
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
20	AATTCAAGCC CAGAGCCCTG CCATTTCTGT GGGCTCAGGT CCCTACTGCT 50
	CAGCCCCTTC CTCCCTCGGC AAGGCCACAA TGAACCGGGG AGTCCCTTTT 100
25	AGGCACTTGC TTCTGGTGCT GCAACTGGCG CTCCTCCCAG CAGCCACTCA 150
	GGGAAACAAA GTGGTGCTGG GCAAAAAAGG GGATACAGTG GAACTGACCT 200
30	GTACAGCTTC CCAGAAGAAG AGCATACAAT TCCACTGGAA AAACTCCAAC 250
30	CAGATAAAGA TTCTGGGAAA TCAGGGCTCC TTCTTAACTA AAGGTCCATC 300
	CAAGCTGAAT GATCGCGCTG ACTCAAGAAG AAGCCTTTGG GACCAAGGAA 350
35	ACTTTCCCCT GATCATCAAG AATCTTAAGA TAGAAGACTC AGATACTTAC 400

ATCTGTGAAG TGGAGGACCA GAAGGAGGAG GTGCAATTGC TAGTGTTCGG 450

ATTGACTGCC AACTCTGACA CCCACCTGCT TCAGGGGCAG AGCCTGACCC 500

TGACCTTGGA GAGCCCCCCT GGTAGTAGCC CCTCAGTGCA ATGTAGGAGT 550 CCAAGGGTA AAAACATACA GGGGGGGAAG ACCCTCTCCG TGTCTCAGCT 600 GGAGCTCCAG GATAGTGGCA CCTGGACATG CACTGTCTTG CAGAACCAGA 650 AGAAGGTGGA GTTCAAAATA GACATCGTGG TGCTAGCTTT CCAGAAGGCC 700 TCCAGCATAG TCTATAAGAA AGAGGGGGAA CAGGTGGAGT TCTCCTTCCC 750 ACTCGCCTTT ACAGTTGAAA AGCTGACGGG CAGTGGCGAG CTGTGGTGGC 800 AGGCGGAGAG GGCTTCCTCC TCCAAGTCTT GGATCACCTT TGACCTGAAG 850 AACAAGGAAG TGTCTGTAAA ACGGGTTACC CAGGACCCTA AGCTCCAGAT 900 GGGCAAGAAG CTCCCGCTCC ACCTCACCCT GCCCCAGGCC TTGCCTCAGT 950 ATGCTGGCTC TGGAAACCTC ACCCTGGCCC TTGAAGCGAA AACAGGAAAG 1000 TTGCATCAGG AAGTGAACCT GGTGGTGATG AGAGCCACTC AGCTCCAGAA 1050 AAATTTGACC TGTGAGGTGT GGGGACCCAC CTCCCCTAAG CTGATGCTGA 1100 GTTTGAAACT GGAGAACAAG GAGGCAAAGG TCTCGAAGCG GGAGAAGGCG 1150 GTGTGGTGC TGAACCCTGA GGCGGGGATG TGGCAGTGTC TGCTGAGTGA 1200 CTCGGGACAG GTCCTGCTGG AATCCAACAT CAAGGTTCTG CCCACATGGT 1250 CCACCCGAG CTTTAATGCG GTAGTTTATC ACAGTTAAAT TGCTAACGCA 1300 GTCAGGCACC GTGTATGAAA TCTAACAATG CGCTCATCGT CATCCTCGGC 1350 ACCGTCACCC TGGATGCTGT AGGCATAGGC TTGGTTATGC CGGTACTGCC 1400 GGGCCTCTTG CGGGAT 1416

(2) INFORMATION FOR SEQ ID NO:3:

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(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 1416 base pairs

(B) TYPE: Nucleic Acid

(C) STRANDEDNESS: Single

(D) TOPOLOGY: Linear

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

10 TTAAGTTCGG GTCTCGGGAC GGTAAAGACA CCCGAGTCCA GGGATGACGA 50 GTCGGGGAAG GAGGGAGCCG TTCCGGTGTT ACTTGGCCCC TCAGGGAAAA 100 TCCGTGAACG AAGACCACGA CGTTGACCGC GAGGAGGGTC GTCGGTGAGT 150 15 CCCTTTGTTT CACCACGACC CGTTTTTTCC CCTATGTCAC CTTGACTGGA 200 CATGTCGAAG GGTCTTCTTC TCGTATGTTA AGGTGACCTT TTTGAGGTTG 250 20 GTCTATTTCT AAGACCCTTT AGTCCCGAGG AAGAATTGAT TTCCAGGTAG 300 GTTCGACTTA CTAGCGCGAC TGAGTTCTTC TTCGGAAACC CTGGTTCCTT 350 TGAAAGGGGA CTAGTAGTTC TTAGAATTCT ATCTTCTGAG TCTATGAATG 400 25 TAGACACTTC ACCTCCTGGT CTTCCTCCTC CACGTTAACG ATCACAAGCC 450 TAACTGACGG TTGAGACTGT GGGTGGACGA AGTCCCCGTC TCGGACTGGG 500 30 ACTGGAACCT CTCGGGGGGA CCATCATCGG GGAGTCACGT TACATCCTCA 550 GGTTCCCCAT TTTTGTATGT CCCCCCCTTC TGGGAGAGGC ACAGAGTCGA 600 CCTCGAGGTC CTATCACCGT GGACCTGTAC GTGACAGAAC GTCTTGGTCT 650 35 TCTTCCACCT CAAGTTTTAT CTGTAGCACC ACGATCGAAA GGTCTTCCGG 700 AGGTCGTATC AGATATTCTT TCTCCCCCTT GTCCACCTCA AGAGGAAGGG 750 40 TGAGCGGAAA TGTCAACTTT TCGACTGCCC GTCACCGCTC GACACCACCG 800

	TCCGCCTCTC CCGAAGGAGG AGGTTCAGAA CCTAGTGGAA ACTGGACTTC 850
	TTGTTCCTTC ACAGACATTT TGCCCAATGG GTCCTGGGAT TCGAGGTCTA 900
5	CCCGTTCTTC GAGGGCGAGG TGGAGTGGGA CGGGGTCCGG AACGGAGTCA 950
	TACGACCGAG ACCTTTGGAG TGGGACCGGG AACTTCGCTT TTGTCCTTTC 1000
10	AACGTAGTCC TTCACTTGGA CCACCACTAC TCTCGGTGAG TCGAGGTCTT 1050
10	TTTAAACTGG ACACTCCACA CCCCTGGGTG GAGGGGATTC GACTACGACT 1100
	CAAACTTTGA CCTCTTGTTC CTCCGTTTCC AGAGCTTCGC CCTCTTCCGC 1150
15	CACACCCACG ACTTGGGACT CCGCCCCTAC ACCGTCACAG ACGACTCACT 1200
	GAGCCCTGTC CAGGACGACC TTAGGTTGTA GTTCCAAGAC GGGTGTACCA 1250
20	GGTGGGGCTC GAAATTACGC CATCAAATAG TGTCAATTTA ACGATTGCGT 1300
	CAGTCCGTGG CACATACTTT AGATTGTTAC GCGAGTAGCA GTAGGAGCCG 1350
	TGGCAGTGGG ACCTACGACA TCCGTATCCG AACCAATACG GCCATGACGG 1400
25	CCCGGAGAAC GCCCTA 1416
	(2) INFORMATION FOR SEQ ID NO:4:
30	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 434 amino acids
	(B) TYPE: Amino Acid (D) TOPOLOGY: Linear
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
35	Met Gly Gly Thr Ala Ala Arg Leu Gly Ala Val Ile Leu Phe Val
	1 5 10 15
40	Val Ile Val Gly Leu His Gly Val Arg Gly Lys Tyr Ala Leu Ala 20 25 30
	20 25 30

	Asp	Ala	Ser	Leu	Lys 35	Met	Ala	Asp	Pro	Asn 40	Arg	Phe	Arg	Gly	Lys 45
5	Asp	Leu	Pro	Val	Leu 50	Asp	Gln	Leu	Leu	Glu 55	Gln	Gly	Asn	Lys	Val
	Val	Leu	Gly	Lys	Lys 65	Gly	Asp	Thr	Val	Glu 70	Leu	Thr	Cys	Thr	Ala 75
10	Ser	Gln	Lys	Lys	Ser 80	Ile	Gln	Phe	His	Trp 85	Lys	Asn	Ser	Asn	Gln 90
15	Ile	Lys	Ile	Leu	Gly 95	Asn	Gln	Gly	Ser	Phe 100	Leu	Thr	Lys	Gly	Pro
	Ser	Lys	Leu	Asn	Asp 110	Arg	Ala	Asp	Ser	Arg 115	Arg	Ser	Leu	Trp	Asp
20	Gln	Gly	Asn	Phe	Pro 125	Leu	Ile	Ile	Lys	Asn 130	Leu	Lys	Ile	Glu	Asp 135
	Ser	Asp	Thr	Tyr	Ile 140	Cys	Glu	Val	Glu	Asp 145	Gln	Lys	Glu	Glu	Val
25	Gln	Leu	Leu	Val	Phe 155	Gly	Leu	Thr	Ala	Asn 160	Ser	Asp	Thr	His	Leu 165
30	Leu	Gln	Gly	Gln	Ser 170	Leu	Thr	Leu	Thr	Leu 175	Glu	Ser	Pro	Pro	Gly 180
	Ser	Ser	Pro	Ser	Val 185	Gln	Cys	Arg	Ser	Pro 190	Arg	Gly	Lys	Asn	Ile 195
35	Gln	Gly	Gly	Lys	Thr 200	Leu	Ser	Val	Ser	Gln 205	Leu	Glu	Leu	Gln	Asp 210
	Ser	Gly	Thr	Trp	Thr 215	Cys	Thr	Val	Leu	Gln 220	Asn	Gln	Lys	Lys	Val 225

	Glu	Phe	Lys	Ile	Asp 230	Ile	Val	Val	Leu	Ala 235	Phe	Gln	Lys	Ala	Ser 240
5	Ser	Ile	Val	Tyr	Lys 245	Lys	Glu	Gly	Glu	Gln 250	Val	Glu	Phe	Ser	Phe 255
	Pro	Leu	Ala	Phe	Thr 260	Val	Glu	Lys	Leu	Thr 265	Gly	Ser	Gly	Glu	Leu 270
10	Trp	Trp	Gln	Ala	Glu 275	Arg	Ala	Ser	Ser	Ser 280	Lys	Ser	Trp	Ile	Thr 285
15	Phe	Asp	Leu	Lys	Asn 290	Lys	Glu	Val	Ser	Val 295	Lys	Arg	Val	Thr	Gln 300
	Asp	Pro	Lys	Leu	Gln 305	Met	Gly	Lys	Lys	Leu 310	Pro	Leu	His	Leu	Thr 315
20	Leu	Pro	Gln	Ala	Leu 320	Pro	Gln	Tyr	Ala	Gly 325	Ser	Gly	Asn	Leu	Thr 330
	Leu	Ala	Leu	Glu	Ala 335	Lys	Thr	Gly	Lys	Leu 340	His	Gln	Glu	Val	Asn 345
25	Leu	Val	Val	Met	Arg 350	Ala	Thr	Gln	Leu	Gln 355	Lys	Asn	Leu	Thr	Cys 360
30	Glu	Val	Trp	Gly	Pro 365	Thr	Ser	Pro	Lys	Leu 370	Met	Leu	Ser	Leu	Lys 375
30	Leu	Glu	Asn	Lys	Glu 380	Ala	Lys	Val	Ser	Lys 385	Arg	Glu	Lys	Ala	Val 390
35	Trp	Val	Leu	Asn	Pro 395	Glu	Ala	Gly	Met	Trp 400	Gln	Cys	Leu	Leu	Ser 405
	Asp	Ser	Gly	Gln	Val 410	Leu	Leu	Glu	Ser	Asn 415	Ile	Lys	Val	Leu	Pro 420

Thr Trp Ser Thr Pro Ser Phe Asn Ala Val Val Tyr His Ser
425
430

(2) INFORMATION FOR SEQ ID NO:5:

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- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 1508 base pairs
 - (B) TYPE: Nucleic Acid
 - (C) STRANDEDNESS: Single

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(D) TOPOLOGY: Linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

AAGCTTCAGC GCGAACGACC AACTACCCCG ATCATCAGTT ATCCTTAAGG 50

TCTCTTTTGT GTGGTGCGTT CCGGTATGGG GGGGACTGCC GCCAGGTTGG 100

GGGCCGTGAT TTTGTTTGTC GTCATAGTGG GCCTCCATGG GGTCCGCGGC 150

AAATATGCCT TGGCGGATGC CTCTCTCAAG ATGGCCGACC CCAATCGATT 200

TCGCGGCAAA GACCTTCCGG TCCTGGACCA GCTGCTCGAG CAGGGAAACA 250

AAGTGGTGCT GGGCAAAAAA GGGGATACAG TGGAACTGAC CTGTACAGCT 300

TCCCAGAAGA AGAGCATACA ATTCCACTGG AAAAACTCCA ACCAGATAAA 350

GATTCTGGGA AATCAGGGCT CCTTCTTAAC TAAAGGTCCA TCCAAGCTGA 400

ATGATCGCGC TGACTCAAGA AGAAGCCTTT GGGACCAAGG AAACTTTCCC 450

CTGATCATCA AGAATCTTAA GATAGAAGAC TCAGATACTT ACATCTGTGA 500

AGTGGAGGAC CAGAAGGAGG AGGTGCAATT GCTAGTGTTC GGATTGACTG 550

CCAACTCTGA CACCCACCTG CTTCAGGGGC AGAGCCTGAC CCTGACCTTG 600

GAGAGCCCCC CTGGTAGTAG CCCCTCAGTG CAATGTAGGA GTCCAAGGGG 650

TAAAAACATA CAGGGGGGA AGACCCTCTC CGTGTCTCAG CTGGAGCTCC 700 AGGATAGTGG CACCTGGACA TGCACTGTCT TGCAGAACCA GAAGAAGGTG 750 GAGTTCAAAA TAGACATCGT GGTGCTAGCT TTCCAGAAGG CCTCCAGCAT 800 AGTCTATAAG AAAGAGGGGG AACAGGTGGA GTTCTCCTTC CCACTCGCCT 850 TTACAGTTGA AAAGCTGACG GGCAGTGGCG AGCTGTGGTG GCAGGCGGAG 900 AGGGCTTCCT CCTCCAAGTC TTGGATCACC TTTGACCTGA AGAACAAGGA 950 AGTGTCTGTA AAACGGGTTA CCCAGGACCC TAAGCTCCAG ATGGGCAAGA 1000 AGCTCCCGCT CCACCTCACC CTGCCCCAGG CCTTGCCTCA GTATGCTGGC 1050 TCTGGAAACC TCACCCTGGC CCTTGAAGCG AAAACAGGAA AGTTGCATCA 1100 GGAAGTGAAC CTGGTGGTGA TGAGAGCCAC TCAGCTCCAG AAAAATTTGA 1150 CCTGTCAGGT GTGGGGACCC ACCTCCCCTA AGCTGATGCT GAGTTTGAAA 1200 CTGGAGAACA AGGAGGCAAA GGTCTCGAAG CGGGAGAAGG CGGTGTGGGT 1250 GCTGAACCCT GAGGCGGGA TGTGGCAGTG TCTGCTGAGT GACTCGGGAC 1300 AGGTCCTGCT GGAATCCAAC ATCAAGGTTC TGCCCACATG GTCCACCCCG 1350 AGCTTTAATG CGGTAGTTTA TCACAGTTAA ATTGCTAACG CAGTCAGGCA 1400 CCGTGTATGA AATCTAACAA TGCGCTCATC GTCATCCTCG GCACCGTCAC 1450 CCTGGATGCT GTAGGCATAG GCTTGGTTAT GCCGGTACTG CCGGGCCTCT 1500 TGCGGGAT 1508

(2) INFORMATION FOR SEQ ID NO:6:

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- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 1508 base pairs

(B) TYPE: Nucleic Acid(C) STRANDEDNESS: Single

(D) TOPOLOGY: Linear

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

TTCGAAGTCG CGCTTGCTGG TTGATGGGGC TAGTAGTCAA TAGGAATTCC 50 AGAGAAAACA CACCACGCAA GGCCATACCC CCCCTGACGG CGGTCCAACC 100 10 CCCGGCACTA AAACAAACAG CAGTATCACC CGGAGGTACC CCAGGCGCCG 150 TTTATACGGA ACCGCCTACG GAGAGAGTTC TACCGGCTGG GGTTAGCTAA 200 15 AGCGCCGTTT CTGGAAGGCC AGGACCTGGT CGACGAGCTC GTCCCTTTGT 250 TTCACCACGA CCCGTTTTTT CCCCTATGTC ACCTTGACTG GACATGTCGA 300 20 AGGGTCTTCT TCTCGTATGT TAAGGTGACC TTTTTGAGGT TGGTCTATTT 350 CTAAGACCCT TTAGTCCCGA GGAAGAATTG ATTTCCAGGT AGGTTCGACT 400 TACTAGCGCG ACTGAGTTCT TCTTCGGAAA CCCTGGTTCC TTTGAAAGGG 450 25 GACTAGTAGT TCTTAGAATT CTATCTTCTG AGTCTATGAA TGTAGACACT 500 TCACCTCCTG GTCTTCCTCC TCCACGTTAA CGATCACAAG CCTAACTGAC 550 GGTTGAGACT GTGGGTGGAC GAAGTCCCCG TCTCGGACTG GGACTGGAAC 600 30 CTCTCGGGGG GACCATCATC GGGGAGTCAC GTTACATCCT CAGGTTCCCC 650 ATTTTTGTAT GTCCCCCCT TCTGGGAGAG GCACAGAGTC GACCTCGAGG 700 35 TCCTATCACC GTGGACCTGT ACGTGACAGA ACGTCTTGGT CTTCTTCCAC 750 CTCAAGTTTT ATCTGTAGCA CCACGATCGA AAGGTCTTCC GGAGGTCGTA 800 40 TCAGATATTC TTTCTCCCCC TTGTCCACCT CAAGAGGAAG GGTGAGCGGA 850

	AATGTCAACT TTTCGACTGC CCGTCACCGC TCGACACCAC CGTCCGCCTC 900
	TCCCGAAGGA GGAGGTTCAG AACCTAGTGG AAACTGGACT TCTTGTTCCT 950
5	TCACAGACAT TTTGCCCAAT GGGTCCTGGG ATTCGAGGTC TACCCGTTCT 1000
	TCGAGGGCGA GGTGGAGTGG GACGGGGTCC GGAACGGAGT CATACGACCG 1050
10	AGACCTTTGG AGTGGGACCG GGAACTTCGC TTTTGTCCTT TCAACGTAGT 110
	CCTTCACTTG GACCACCACT ACTCTCGGTG AGTCGAGGTC TTTTTAAACT 115
	GGACACTCCA CACCCCTGGG TGGAGGGGAT TCGACTACGA CTCAAACTTT 120
15	GACCTCTTGT TCCTCCGTTT CCAGAGCTTC GCCCTCTTCC GCCACACCCA 125
	CGACTTGGGA CTCCGCCCCT ACACCGTCAC AGACGACTCA CTGAGCCCTG 130
20	TCCAGGACGA CCTTAGGTTG TAGTTCCAAG ACGGGTGTAC CAGGTGGGGC 135
	TCGAAATTAC GCCATCAAAT AGTGTCAATT TAACGATTGC GTCAGTCCGT 140
	GGCACATACT TTAGATTGTT ACGCGAGTAG CAGTAGGAGC CGTGGCAGTG 145
25	GGACCTACGA CATCCGTATC CGAACCAATA CGGCCATGAC GGCCCGGAGA 150
	ACGCCCTA 1508

(2) INFORMATION FOR SEQ ID NO:7:

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- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 371 amino acids
 - (B) TYPE: Amino Acid
 - (D) TOPOLOGY: Linear

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg Ala Thr 1 5 10 15

	Phe	Cys	Leu	Trp	Tyr 20	Arg	Glu	Arg	Pro	Pro 25	Cys	Trp	Ile	Asp	Pro 30
5	Trp	Gly	Leu	Gly	Thr 35	Leu	Val	Thr	Val	Ser 40	Ser	Ala	Ser	Thr	Lys 45
	Gly	Pro	Ser	Val	Phe 50	Pro	Leu	Ala	Pro	Ser 55	Ser	Lys	Ser	Thr	Ser 60
10	Gly	Gly	Thr	Ala	Ala 65	Leu	Gly	Cys	Leu	Val 70	Lys	Asp	Tyr	Phe	Pro 75
15	Glu	Pro	Val	Thr	Val 80	Ser	Trp	Asn	Ser	Gly 85	Ala	Leu	Thr	Ser	Gly 90
	Val	His	Thr	Phe	Pro 95	Ala	Val	Leu	Gln	Ser 100	Ser	Gly	Leu	Tyr	Ser 105
20	Leu	Ser	Ser	Val	Val 110	Thr	Val	Pro	Ser	Ser 115	Ser	Leu	Gly	Thr	Gln 120
	Thr	Tyr	Ile	Cys	Asn 125	Val	Asn	His	Lys	Pro 130	Ser	Asn	Thr	Lys	Val 135
25	Asp	Lys	Lys	Val	Glu 140	Pro	Lys	Ser	Cys	Asp 145	Lys	Thr	His	Thr	Cys 150
30	Pro	Pro	Cys	Pro	Ala 155	Pro	Glu	Leu	Leu	Gly 160	Gly	Pro	Ser	Val	Phe 165
	Leu	Phe	Pro	Pro	Lys 170	Pro	Lys	Asp	Thr	Leu 175	Met	Ile	Ser	Arg	Thr 180
35	Pro	Glu	Val	Thr	Cys 185	Val	Val	Val	Asp	Val 190	Ser	His	Glu	Asp	Pro 195
	Glu	Val	Lys	Phe	Asn 200	Trp	Tyr	Val	Asp	Gly 205	Val	Glu	Val	His	Asn 210

	Ala	Lys	Thr	Lys	Pro 215	Arg	Glu	Glu	Gln	Tyr 220	Asn	Ser	Thr	Tyr	Arg 225
5	Val	Val	Ser	Val	Leu 230	Thr	Val	Leu	His	Gln 235	Asp	Trp	Leu	Asn	Gly 240
	Lys	Glu	Tyr	Lys	Cys 245	Lys	Val	Ser	Asn	Lys 250	Ala	Leu	Pro	Ála	Pro 255
10	Ile	Glu	Lys	Thr	Ile 260	Ser	Lys	Ala	Lys	Gly 265	Gln	Pro	Arg	Glu	Pro 270
	Gln	Val	Tyr	Thr	Leu 275	Pro	Pro	Ser	Arg	Asp 280	Glu	Leu	Thr	Lys	Asn 285
	Gln	Val	Ser	Leu	Thr 290	Cys	Leu	Val	Lys	Gly 295	Phe	Tyr	Pro	Ser	Asp 300
20	Ile	Ala	Val	Glu	Trp 305	Glu	Ser	Asn	Gly	Gln 310	Pro	Glu	Asn	Asn	Туг 315
	Lys	Thr	Thr	Pro	Pro 320	Val	Leu	Asp	Ser	Asp 325	Gly	Ser	Phe	Phe	Leu 330
25	Tyr	Ser	Lys	Leu	Thr 335	Val	Asp	Lys	Ser	Arg 340	Trp	Gln	Gln	Gly	Asn 345
30	Val	Phe	Ser	Cys	Ser 350	Val	Met	His	Glu	Ala 355	Leu	His	Asn	His	Tyr 360
	Thr	Gln	Lys	Ser	Leu 365	Ser	Leu	Ser	Pro	Gly 370	Lys				
35	(2)	INFOI													
	·	(<i>1</i>	A) L1	ENGTI YPE :	H: 13	l35 l leic	oase Acid	pai:	rs						
40				FRANI OPOLO				эте							

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

GAATTCTGTC ACTGCCGCGG ACACGGCCGT ATATTACTGT GCGAGAGCCA 50 5 CCTTTTGCCT ATGGTACAGG GAGCGTCCCC CTTGTTGGAT CGACCCCTGG 100 GGCCTGGGAA CCCTGGTCAC CGTCTCCTCG GCCTCCACCA AGGGCCCATC 150 10 GGTCTTCCCC CTGGCACCCT CCTCCAAGAG CACCTCTGGG GGCACAGCGG 200 CCCTGGGCTG CCTGGTCAAG GACTACTTCC CCGAACCGGT GACGGTGTCG 250 TGGAACTCAG GCGCCCTGAC CAGCGGCGTG CACACCTTCC CGGCTGTCCT 300 15 ACAGTCCTCA GGACTCTACT CCCTCAGCAG CGTGGTGACC GTGCCCTCCA 350 GCAGCTTGGG CACCCAGACC TACATCTGCA ACGTGAATCA CAAGCCCAGC 400 20 AACACCAAGG TGGACAAGAA AGTTGAGCCC AAATCTTGTG ACAAAACTCA 450 CACATGCCCA CCGTGCCCAG CACCTGAACT CCTGGGGGGA CCGTCAGTCT 500 TCCTCTTCCC CCCAAAACCC AAGGACACCC TCATGATCTC CCGGACCCCT 550 25 GAGGTCACAT GCGTGGTGGT GGACGTGAGC CACGAAGACC CTGAGGTCAA 600 GTTCAAGTGG TACGTGGACG GCGTGGAGGT GCATAATGCC AAGACAAAGC 650 30 CGCGGGAGGA GCAGTACAAC AGCACGTACC GGGTGGTCAG CGTCCTCACC 700 GTCCTGCACC AGGACTGGCT GAATGGCAAG GAGTACAAGT GCAAGGTCTC 750 CAACAAAGCC CTCCCAGCCC CCATCGAGAA AACCATCTCC AAAGCCAAAG 800 35 GGCAGCCCCG AGAACCACAG GTGTACACCC TGCCCCCATC CCGGGATGAG 850 CTGACCAAGA ACCAGGTCAG CCTGACCTGC CTGGTCAAAG GCTTCTATCC 900 40 CAGCGACATC GCCGTGGAGT GGGAGAGCAA TGGGCAGCCG GAGAACAACT 950 ACAAGACCAC GCCTCCCGTG CTGGACTCCG ACGGCTCCTT CTTCCTCTAC 1000

AGCAAGCTCA CCGTGGACAA GAGCAGGTGG CAGCAGGGGA ACGTCTTCTC 1050

ATGCTCCGTG ATGCATGAGG CTCTGCACAA CCACTACACG CAGAAGAGCC 1100

TCTCCCTGTC TCCGGGTAAA TGAGTGCGAC GGCCG 1135

(2) INFORMATION FOR SEQ ID NO:9:

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- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 1142 base pairs
 - (B) TYPE: Nucleic Acid
 - (C) STRANDEDNESS: Single
- 15 (D) TOPOLOGY: Linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

20 CTTAAGACAG TGACGGCGCC TGTGCCGGCA TATAATGACA CGCTCTCGGT 50 GGAAAACGGA TACCATGTCC CTCGCAGGGG GAACAACCTA GCTGGGGACC 100 CCGGACCCTT GGGACCAGTG GCAGAGGAGC CGGAGGTGGT TCCCGGGTAG 150 25 CCAGAAGGGG GACCGTGGGA GGAGGTTCTC GTGGAGACCC CCGTGTCGCC 200 GGGACCCGAC GGACCAGTTC CTGATGAAGG GGCTTGGCCA CTGCCACAGC 250 30 ACCTTGAGTC CGCGGGACTG GTCGCCGCAC GTGTGGAAGG GCCGACAGGA 300 TGTCAGGAGT CCTGAGATGA GGGAGTCGTC GCACCACTGG CACGGGAGGT 350 CGTCGAACCC GTGGGTCTGG ATGTAGACGT TGCACTTAGT GTTCGGGTCG 400 35 TTGTGGTTCC ACCTGTTCTT TCAACTCGGG TTTAGAACAC TGTTTTGAGT 450 GTGTACGGGT GGCACGGGTC GTGGACTTGA GGACCCCCCT GGCAGTCAGA 500 40 AGGAGAAGGG GGGTTTTGGG TTCCTGTGGG AGTACTAGAG GGCCTGGGGA 550

	CTCCAGTGTA CGCACCACCA CCTGCACTCG GTGCTTCTGG GACTCCAGTT 600
	CAAGTTGACC ATGCACCTGC CGCACCTCCA CGTATTACGG TTCTGTTTCG 650
5	GCGCCCTCCT CGTCATGTTG TCGTGCATGG CCCACCAGTC GCAGGAGTGG 700
	CAGGACGTGG TCCTGACCGA CTTACCGTTC CTCATGTTCA CGTTCCAGAG 750
10	GTTGTTTCGG GAGGGTCGGG GGTAGCTCTT TTGGTAGAGG TTTCGGTTTC 800
10	CCGTCGGGGC TCTTGGTGTC CACATGTGGG ACGGGGGTAG GGCCCTACTC 850
	GACTGGTTCT TGGTCCAGTC GGACTGGACG GACCAGTTTC CGAAGATAGG 900
15	GTCGCTGTAG CGGCACCTCA CCCTCTCGTT ACCCGTCGGC CTCTTGTTGA 950
	TGTTCTGGTG CGGAGGGCAC GACCTGAGGC TGCCGAGGAA GAAGGAGATG 1000
20	TCGTTCGAGT GGCACCTGTT CTCGTCCACC GTCGTCCCCT TGCAGAAGAG 1050
	TACGAGGCAC TACGTACTAC GTACTCCGAG ACGTGTTGGT GATGTGCGTC 1100
	TTCTCGGAGA GGGACAGAGG CCCATTTACT CACGCTGCCG GC 1142
25	(2) INFORMATION FOR SEQ ID NO:10:
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 143 amino acids
	(B) TYPE: Amino Acid
30	(D) TOPOLOGY: Linear
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
	Thr Leu Thr Ile Ser Gly Leu Gln Pro Glu Asp Phe Ala Thr Tyr
35	1 5 10 15
	Tyr Cys Gln Gln Tyr Lys Ser Leu Ser Leu Thr Phe Gly Gly
	20 25 30

	Thr	Lys V	al G	lu Il 3	_	Arg	Thr	Val	Ala 40	Ala	Pro	Ser	Val	Phe 45
5	Ile	Phe F	ro P	ro Se 5		Glu	Gln	Leu	Lys 55	Ser	Gly	Thr	Ala	Ser 60
	Val	Val (ys L	eu Le 6		ı Asn	Phe	Tyr	Pro 70	Arg	Glu	Ala	Leu	Val 75
10	Gln	Trp I	eu V	al As 8		ı Ala	Leu	Gln	Ser 85	Gly	Asn	Ser	Gln	Glu 90
15	Ser	Val T	hr G	lu Gl 9		Ser	Lys	Asp	Ser 100	Thr	Tyr	Ser	Leu	Ser 105
10	Ser	Thr I	eu T	hr Le 11		Lys	Ala	Asp	Tyr 115	Glu	Lys	His	Lys	Val
20	Tyr	Ala C	'ys G	lu Va 12		His	Gln	Gly	Leu 130	Ser	Ser	Pro	Val	Thr 135
	Lys	Ser F	he A	sn Ar 14		Glu	Cys							
25	(2)	INFORM	ATIO	N FOR	SEQ	ID N	0:11	:						
	(:		LEN	E CHA GTH: E: Nu	468 b	ase	pair	s			•			
30				ANDED OLOGY			gle							
	(x:	i) SEÇ	UENC	E DES	CRIPT	'ION:	SEQ	ID I	NO:1	1:				
35	GAA!	ITCACI	C TC	ACCAT	CAG C	:GGCC	TGCA	G CC	rgaa(GATT	TTG	CAAC'	ГТА	50
	TTAG	CTGCCA	A CA	GTATA	AGA G	TTTG	TCGC	r cao	CTTT	CGGC	GGA	GGA(CCA	100
40	AGG'	TGGAGA	T CA	AACGA	ACT G	TGGC'	TGCA	CA!	rctg:	rctt	CAT	CTTC	CCG	150

	CCATCTGATG AGCAGTTGAA ATCTGGAACT GCCTCTGTTG TGTGCCTGCT 200
	GAATAACTTC TATCCCAGAG AGGCCAAAGT ACAGTGGAAG GTGGATAACG 250
5	CCCTCCAATC GGGTAACTCC CAGGAGAGTG TCACAGAGCA GGACAGCAAG 300
	GACAGCACCT ACAGCCTCAG CAGCACCCTG ACGCTGAGCA AAGCAGACTA 350
10	CGAGAAACAC AAAGTCTACG CCTGCGAAGT CACCCATCAG GGCCTGAGCT 400
10	CGCCCGTCAC AAAGAGCTTC AACAGGGGAG AGTGTTAGAG GGAGAAGTGC 450
	CCCCACCTGC TCCTCAGT 468
15	(2) INFORMATION FOR SEQ ID NO:12:

(2) INFORMATION FOR SEQ ID NO:12:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 468 base pairs
 - (B) TYPE: Nucleic Acid
 - (C) STRANDEDNESS: Single
 - (D) TOPOLOGY: Linear

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

CTTAAGTGAG AGTGGTAGTC GCCGGACGTC GGACTTCTAA AACGTTGAAT 50 AATGACGGTT GTCATATTCT CAAACAGCGA GTGAAAGCCG CCTCCCTGGT 100 30 TCCACCTCTA GTTTGCTTGA CACCGACGTG GTAGACAGAA GTAGAAGGGC 150 GGTAGACTAC TCGTCAACTT TAGACCTTGA CGGAGACAAC ACACGGACGA 200 CTTATTGAAG ATAGGGTCTC TCCGGTTTCA TGTCACCTTC CACCTATTGC 250 35 GGGAGGTTAG CCCATTGAGG GTCCTCTCAC AGTGTCTCGT CCTGTCGTTC 300 CTGTCGTGGA TGTCGGAGTC GTCGTGGGAC TGCGACTCGT TTCGTCTGAT 350 GCTCTTTGTG TTTCAGATGC GGACGCTTCA GTGGGTAGTC CCGGACTCGA 400 40

	GCGGGCAGTG TTTCTCGAAG TTGTCCCCTC TCACAATCTC CCTCTTCACG 45
	GGGGTGGACG AGGAGTCA 468
5	(2) INFORMATION FOR SEQ ID NO:13:
	(i) SEQUENCE CHARACTERISTICS:
	(A) LENGTH: 44 base pairs
	(B) TYPE: Nucleic Acid
10	(C) STRANDEDNESS: Single
	(D) TOPOLOGY: Linear
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:
15	
	AATTCAAGCC CAGAGCCCTG CCATTTCTGT GGGCTCAGGT CCCT 44
	(2) INFORMATION FOR SEQ ID NO:14:
20	(i) SEQUENCE CHARACTERISTICS:
	(A) LENGTH: 50 base pairs
	(B) TYPE: Nucleic Acid
	(C) STRANDEDNESS: Single
2.5	(D) TOPOLOGY: Linear
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:
	ACTGCTCAGC CCCTTCCTCC CTCGGCAAGG CCACAATGAA CCGGGGAGTC 50
30	(2) INFORMATION FOR SEQ ID NO:15:
	(i) SEQUENCE CHARACTERISTICS:
	(A) LENGTH: 47 base pairs
35	(B) TYPE: Nucleic Acid
J J	(C) STRANDEDNESS: Single
	(D) TOPOLOGY: Linear
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:
40	

CCTTTTAGGC ACTTGCTTCT GGTGCTGCAA CTGGCGCTCC TCCCAGC 47

	(2) INFORMATION FOR SEQ ID NO:16:
5	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 61 base pairs
	(B) TYPE: Nucleic Acid
	(C) STRANDEDNESS: Single
	(D) TOPOLOGY: Linear
10	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:
	AGCCACTCAG GGAAACAAAG TGGTGCTGGG CAAAAAAGGG GATACAGTGG 50
15	
	AACTGACCTG T 61
	(2) INFORMATION FOR SEQ ID NO:17:
20	(i) SEQUENCE CHARACTERISTICS:
20	(A) LENGTH: 51 base pairs
	(B) TYPE: Nucleic Acid
	(C) STRANDEDNESS: Single
	(D) TOPOLOGY: Linear
25	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:
	ACAGGTCAGT TCCACTGTAT CCCCTTTTTT GCCCAGCACC ACTTTGTTTC 50
30	
	C 51
	(2) INFORMATION FOR SEQ ID NO:18:
35	(i) SEQUENCE CHARACTERISTICS:
	(A) LENGTH: 47 base pairs
	(B) TYPE: Nucleic Acid
	(C) STRANDEDNESS: Single
	(D) TOPOLOGY: Linear

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:18:
5	CTGAGTGGCT GCTGGGAGGA GCGCCAGTTG CAGCACCAGA AGCAAGT 47
10	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 50 base pairs (B) TYPE: Nucleic Acid (C) STRANDEDNESS: Single (D) TOPOLOGY: Linear
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:
	GCCTAAAAGG GACTCCCCGG TTCATTGTGG CCTTGCCGAG GGAGGAAGGG 50
20	(2) INFORMATION FOR SEQ ID NO:20:
	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 50 base pairs(B) TYPE: Nucleic Acid
25	(C) STRANDEDNESS: Single (D) TOPOLOGY: Linear
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:20:
30	GCTGAGCAGT AGGGACCTGA GCCCACAGAA ATGGCAGGGC TCTGGGCTTG 50
	(2) INFORMATION FOR SEQ ID NO:21:
2.5	(i) SEQUENCE CHARACTERISTICS:
35	(A) LENGTH: 59 base pairs(B) TYPE: Nucleic Acid(C) STRANDEDNESS: Single(D) TOPOLOGY: Linear
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:21:

	CTGCTCGAGC AGGGAAACAA AGTGGTGCTG GGCAAAAAAG GGGATACAGT	50
	GGAACTGAC 59	
5	(2) INFORMATION FOR SEQ ID NO:22:	
10	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 59 base pairs(B) TYPE: Nucleic Acid(C) STRANDEDNESS: Single(D) TOPOLOGY: Linear	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:22:	
	ACAGGTCAGT TCCACTGTAT CCCCTTTTTT GCCCAGCACC ACTTTGTTTC	50
20	CCTGCTCGA 59 (2) INFORMATION FOR SEQ ID NO:23:	
25	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: Nucleic Acid (C) STRANDEDNESS: Single (D) TOPOLOGY: Linear 	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:23:	
	CGTGATAGAA GCTTTCTAGA G 21	
35	(2) INFORMATION FOR SEQ ID NO:24: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 51 base pairs	
40	(B) TYPE: Nucleic Acid(C) STRANDEDNESS: Single(D) TOPOLOGY: Linear	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:24:
5	CCCTTTTTTG CCCAGCACCA CCTTCTTGCC CTGAGTGGCT GCTGGGAGGA 50
	G 51
	(2) INFORMATION FOR SEQ ID NO:25:
10	(i) SEQUENCE CHARACTERISTICS:
	(A) LENGTH: 16 base pairs
	(B) TYPE: Nucleic Acid
	(C) STRANDEDNESS: Single (D) TOPOLOGY: Linear
15	(b) Torozoor. Efficar
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:25:
	CCACCTTCTT GCCCTG 16
20	